

**CLAIM AMENDMENTS**

159. (currently amended) A method for treating arthritis comprising inserting a growth factor selected from the group consisting of cells, cellular products, and derivatives of cellular products at a desired location in a human patient to reduce inflammation.

Please cancel claim 160.

161. (currently amended) The method of claim 160 159, wherein said growth factor comprises a cell.

165. (currently amended) The method of claim 160 159, wherein said cell comprises a germinal cell.

166. (currently amended) The method of claim 160 159, wherein said cell comprises a cloned cell.

167. (currently amended) The method of claim 160 159, wherein said cell comprises a cultured cell.

188. (currently amended) A method of treating arthritis of an avascular necrosis nature comprising inserting a growth factor selected from the group consisting of cells, cellular products, and derivatives of cellular products at a desired location in the body of a human patient to grow a ~~member selected from the group consisting of~~ blood vessel, ~~bone, and~~ blood vessel and bone to correct said avascular necrosis.

190. (currently amended) The method of claim 188, wherein said ~~member~~ comprises a blood vessel is located at a joint of said human patient.

Please cancel claims 191 and 192.

193. (currently amended) The method of claim ~~189-188~~, wherein said growth factor comprises a cell.

**CLAIMS LISTING**

Claims 1-158  
(canceled)

Claim 159  
(currently amended)

A method for treating arthritis comprising inserting a growth factor selected from the group consisting of cells, cellular products, and derivatives of cellular products at a desired location in a human patient to reduce inflammation.

Claim 160  
(canceled)

Claim 161  
(currently amended)

The method of claim 159, wherein said growth factor comprises a cell.

Claim 162  
(previously presented)

The method of claim 161, wherein said cell comprises a stem cell.

Claim 163  
(previously presented)

The method of claim 162, wherein said stem cell comprises a bone marrow stem cell.

Claim 164  
(previously presented)

The method of claim 162, wherein said stem cell comprises a blood stem cell.

Claim 165  
(currently amended)

The method of claim 159, wherein said cell comprises a germinal cell.

Claim 166  
(currently amended)

The method of claim 159, wherein said cell comprises a cloned cell.

Claim 167  
(currently amended) The method of claim 159, wherein said cell comprises a cultured cell.

Claim 168  
(withdrawn) The method of claim 159, wherein said growth factor comprises extracellular matrix.

Claim 169  
(withdrawn) The method of claim 159, wherein said growth factor comprises a gene.

Claim 170  
(withdrawn) The method of claim 159, further comprising inserting a physiological nutrient culture at a desired location of said human body to promote cellular survival.

Claim 171  
(withdrawn) The method of claim 170, wherein said physiological nutrient culture is inserted with said growth factor.

Claim 172  
(withdrawn) The method of claim 170, wherein said physiological nutrient culture is inserted at the same location as said growth factor.

Claim 173  
(withdrawn) The method of claim 159, further comprising inserting a cell nutrient culture at a desired location of said human body to promote cellular survival.

Claim 174  
(withdrawn) The method of claim 173, wherein said cell nutrient culture is inserted with said growth factor.

Claim 175  
(withdrawn) The method of claim 173, wherein said cell nutrient culture is inserted at the same location as said growth factor.

Claim 176  
(withdrawn) The method of claim 160 further comprising inserting a physiological nutrient culture at a desired location in said human body to promote cellular survival.

Claim 177  
(withdrawn) The method of claim 176, wherein said physiological nutrient culture is inserted with said growth factor.

Claim 178  
(withdrawn) The method of claim 176, wherein said physiological nutrient culture is inserted at the same location as said growth factor.

Claim 179  
(withdrawn) The method of claim 160 further comprising inserting a cell nutrient culture at a desired location in said human body to promote cellular survival.

Claim 180  
(withdrawn) The method of claim 179, wherein said cell nutrient culture is inserted with said growth factor.

Claim 181  
(withdrawn) The method of claim 179, wherein said cell nutrient culture is inserted at the same location as said growth factor.

Claim 182  
(withdrawn) The method of claim 159 further comprising inserting a physiological medium at a desired location in said human body to promote cellular survival.

Claim 183  
(withdrawn) The method of claim 182, wherein said physiological medium is inserted with said growth factor.

Claim 184  
(withdrawn) The method of claim 182, wherein said physiological medium is inserted at the same location as said growth factor.

Claim 185  
(withdrawn) The method of claim 160 further comprising inserting a physiological medium at a desired location in said human body to promote cellular survival.

Claim 186  
(withdrawn) The method of claim 185, wherein said physiological medium is inserted with said growth factor.

Claim 187 (withdrawn)	The method of claim 185, wherein said physiological medium is inserted at the same location as said growth factor.
Claim 188 (currently amended)	A method of treating arthritis of an avascular necrosis nature comprising inserting a growth factor selected from the group consisting of cells, cellular products, and derivatives of cellular products at a desired location in the body of a human patient to grow a blood vessel to correct said avascular necrosis.
Claim 189 (previously presented)	The method of claim 188, wherein said growth factor is inserted proximate to a joint of said human patient.
Claim 190 (currently amended)	The method of claim 188, wherein said blood vessel is located at a joint of said human patient.
Claim 191 (canceled)	
Claim 192 (canceled)	
Claim 193 (currently amended)	The method of claim 188, wherein said growth factor comprises a cell.
Claim 194 (previously presented)	The method of claim 193, wherein said cell comprises a stem cell.
Claim 195 (previously presented)	The method of claim 194, wherein said stem cell comprises a bone marrow stem cell.
Claim 196 (previously presented)	The method of claim 194, wherein said stem cell comprises a blood stem cell.

Claim 197 (previously presented)	The method of claim 193, wherein said cell comprises a germinal cell.
Claim 198 (previously presented)	The method of claim 193, wherein said cell comprises a cloned cell.
Claim 199 (previously presented)	The method of claim 193, wherein said cell comprises a cultured cell.
Claim 200 (withdrawn)	The method of claim 193, wherein said growth factor comprises a gene.
Claim 201 (withdrawn)	The method of claim 200, wherein said gene comprises VEGF gene.
Claim 202 (withdrawn)	The method of claim 200, wherein said gene comprises BMP gene.
Claim 203 (withdrawn)	The method of claim 192, wherein said growth factor comprises a growth factor produced by a gene.
Claim 204 (withdrawn)	The method of claim 203, wherein said growth factor comprises VEGF growth factor produced by a VEGF gene.
Claim 205 (withdrawn)	The method of claim 203, wherein said growth factor comprises BMP growth factor produced by BMP genes.
Claim 206 (withdrawn)	The method of claim 188 further comprising inserting a physiological nutrient culture at a desired location of said human body to promote cellular survival.
Claim 207 (withdrawn)	The method of claim 206, wherein said physiological nutrient culture is inserted with said growth factor.

Claim 208 (withdrawn)	The method of claim 206, wherein said physiological nutrient culture is inserted at the same location as said growth factor.
Claim 209 (withdrawn)	The method of claim 189 further comprising inserting a physiological nutrient culture at a desired location in said human body to promote cellular survival.
Claim 210 (withdrawn)	The method of claim 209, wherein said physiological nutrient culture is inserted with said growth factor.
Claim 211 (withdrawn)	The method of claim 209, wherein said physiological nutrient culture is inserted at the same location as said growth factor.
Claim 212 (withdrawn)	The method of claim 188 further comprising inserting a cellular nutrient culture at a desired location of said human body to promote cellular survival.
Claim 213 (withdrawn)	The method of claim 212, wherein said cellular nutrient culture is inserted with said growth factor.
Claim 214 (withdrawn)	The method of claim 212, wherein said cellular nutrient culture is inserted at the same location as said growth factor.
Claim 215 (withdrawn)	The method of claim 189 further comprising inserting a cellular nutrient culture at a desired location in said human body to promote cellular survival.
Claim 216 (withdrawn)	The method of claim 215, wherein said cellular nutrient culture is inserted with said growth factor.

Claim 217  
(withdrawn)      The method of claim 215, wherein said cellular nutrient culture is inserted at the same location as said growth factor.

Claim 218  
(withdrawn)      The method of claim 188 further comprising inserting a physiological medium at a desired location of said human body to promote cellular survival.

Claim 219  
(withdrawn)      The method of claim 218, wherein said physiological medium is inserted with said growth factor.

Claim 220  
(withdrawn)      The method of claim 218, wherein said physiological medium is inserted at the same location as said growth factor.

Claim 221  
(withdrawn)      The method of claim 189 further comprising inserting a physiological medium at a desired location in said human body to promote cellular survival.

Claim 222  
(withdrawn)      The method of claim 221, wherein said physiological medium is inserted with said growth factor.

Claim 223  
(withdrawn)      The method of claim 221, wherein said physiological medium is inserted at the same location as said growth factor.